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C08J 7/04**

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54 **Water based adhesive compositions and primers for polyolefins.**

57 Predominantly water based adhesive compositions and primers comprising:

A) 2 to 50 parts by weight of a solution in a non-ionic surface active agent of one or more chlorinated polyolefins;

B) 50 to 98 parts by weight of a component selected from:

1) an aqueous dispersion comprising from 35 to 65 parts per hundred by weight of vinylacetate-ethylene copolymer and

2) an aqueous solution comprising from 0.1 to 5% by weight of an anionic surface-active agent,

and primes comprising

C) 2 to 50 parts by weight of solution A

D) 50 to 98 parts by weight of an aqueous solution comprising from 0.1 to 5% by weight of an anionic surface-active agent.

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| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
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| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int. Cl.5) |
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| A | DATABASE WPIL Derwent Publications Ltd., London, GB; AN 88-150154 & JP-A-63 089 583 (MITSUBISHI PAPER MILL) 20 April 1988 * abstract * | 1-3 | |
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| X | US-A-4 981 730 (R.R. ZALESKI) * column 3, line 4 - line 11; claims 1,3,9,13,15; examples 1,2 * | 5,6 | |
| The present search report has been drawn up for all claims | | | |
| Place of search THE HAGUE | | Date of completion of the search 08 APRIL 1993 | Examiner FUHR C.K.B. |
| CATEGORY OF CITED DOCUMENTS | | T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document | |
| X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document | | | |



CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.
- Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid,
namely claims:
- No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions,
namely:

See Sheet B

- All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid,
namely claims:
- None of the further search fees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims,
namely claims:



| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
|---|---|---|---|
| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int. Cl.5) |
| X | DATABASE WPIL Section Ch, Week 8947, Derwent Publications Ltd., London, GB; Class A17, AN 89-344234 & JP-A-1 256 549 (CEMEDINE CO., LTD.) 13 October 1989 * abstract * ----- | 5 | |
| | | | TECHNICAL FIELDS SEARCHED (Int. Cl.5) |
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| The present search report has been drawn up for all claims | | | |
| Place of search THE HAGUE | | Date of completion of the search 08 APRIL 1993 | Examiner FUHR C.K.B. |
| CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document | | | |



LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims 1-4: Adhesive comprising mainly EVA, minor components chlorinate polyolefins and non-ionic surfactants
2. Claims 5-7: Primer composition comprising mainly chlorinated polyolefins suspended by non-ionic and anionic surfactants